

ABSTRACT OF THE DISCLOSURE

An injection unit for an injection molding machine includes an injection device in the form of a plunger/screw, which is driven axially and rotationally in a housing, and a device intended for mixing and metering plastic melt and including an inlet for introduction of an additive. A spacer element is disposed between a backflow prevention assembly of the screw and the plunger, with the spacer element having a length, which corresponds at least to the stroke of the injection device. The spacer element has a first flow channel for establishing in each position a fluidic connection with a second flow channel which initially extends radially in an outward direction and then parallel to the movement and guide area of the plunger to an area between a nozzle and the plunger. The second flow channel extends through the mixing and metering device arranged adjacent to a movement and guide area of the plunger.